

What is claimed is:

1. A turning drive apparatus for a model for turning a movable portion of the model by transmitting power from a drive source to the movable portion, comprising:

a gear train for transmitting power to the movable portion, said gear train comprising:

a pair of gears; and

a friction transmitting portion being interposed between the pair of gears, the friction transmitting portion using friction force to rotate the movable portion.

2. The turning drive apparatus according to claim 1, further comprising:

a common slip plate concentrically coupling the pair of gears,

wherein at least any one of the pair of gears is combined to the slip plate so that the gear makes a slip motion in a circumferential direction, thereby the friction transmitting portion is interposed between the gear and the slip plate.

3. The turning drive apparatus according to claim 2, further comprising:

a radially deformable spring portion disposed on a center side of the slip plate,

wherein any one of the pair of gears has a hollow portion at a center side of the gear, the slip plate is engaged with an inner periphery of the hollow portion, and the other gear

of the pair of gears is engaged with an inner periphery of the spring portion of the slip plate.

4. The turning drive apparatus according to claim 1, further comprising:

a friction wheel being coupled with any one of the pair of gears to be concentrically rotated together with the gear, and the other gear of the pair of gears contacts with an outer peripheral surface of the friction wheel, thereby the friction transmitting portion is interposed between the friction wheel and the other gear.

5. The turning drive apparatus according to claim 4, wherein the outer peripheral surface of the friction wheel is made of an elastic member to be elastically deformed when the outer peripheral surface contacts with the other gear.

6. A slip gear apparatus disposed in a gear train for turning a movable portion of a model by transmitting power from a drive source to the movable portion, comprising:

a slip plate; and

a pair of gears being coupled concentrically with each other through the slip plate,

wherein at least any one of the pair of gears is combined to the slip plate so that the gear makes a slip motion in a circumferential direction, and a friction transmitting portion is interposed between the gear and the slip plate.

7. The slip gear apparatus according to claim 6, further comprising:

a radially deformable spring portion disposed on a center side of the slip plate,

wherein any one of the pair of gears has a hollow portion at a center side of the gear, the slip plate is engaged with an inner periphery of the hollow portion, and the other gear of the pair of gears is engaged with an inner periphery of the spring portion of the slip plate.